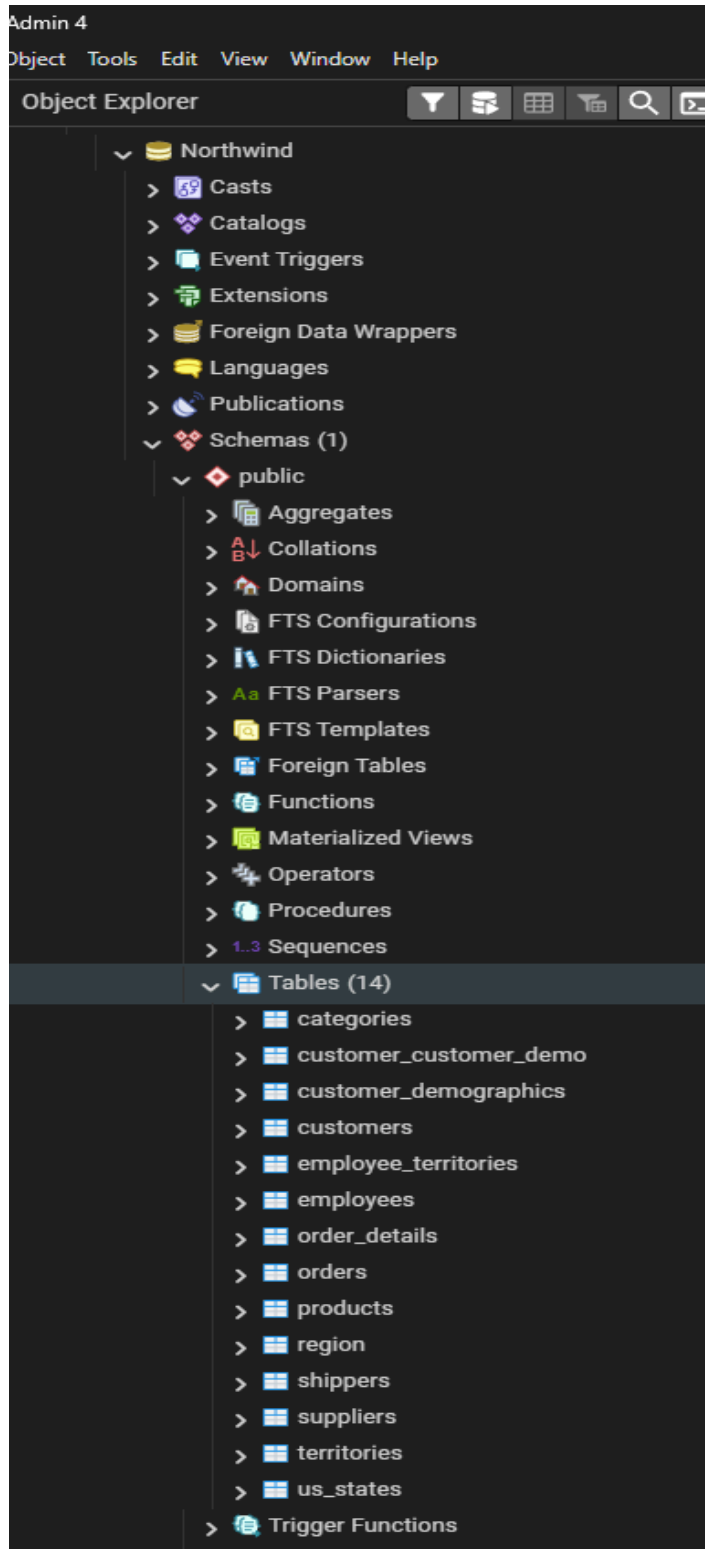


### Practice

- Screenshot of pgAdmin showing the Northwind tables

We have totally 14 tables



**Question 1** — Show all products that cost more than \$20

The screenshot shows a SQL query in a text editor window. The query is:

```
-- Part 2: SQL Practice Questions
-- Question 1: Show all products that cost more than $20

SELECT product_name
FROM products
WHERE unit_price > 20;
```

Below the query editor, the 'Data Output' tab is active, displaying the results of the query. The results are shown in a table with the following columns: product\_name (character varying (40)). The table contains 18 rows of data, starting with 'Chef Anton's Cajun Seasoning' and ending with 'Thüringer Rostbratwurst'. The status bar at the bottom indicates 'Total rows: 37', 'Query complete 00:00:00.134', and 'Ln 11, Col 57'.

| product_name                      |
|-----------------------------------|
| 1 Chef Anton's Cajun Seasoning    |
| 2 Chef Anton's Gumbo Mix          |
| 3 Grandma's Boysenberry Spread    |
| 4 Uncle Bob's Organic Dried Pears |
| 5 Northwoods Cranberry Sauce      |
| 6 Mishi Kobe Niku                 |
| 7 Ikura                           |
| 8 Queso Cabrales                  |
| 9 Queso Manchego La Pastora       |
| 10 Tofu                           |
| 11 Alice Mutton                   |
| 12 Carnarvon Tigers               |
| 13 Sir Rodney's Marmalade         |
| 14 Gustaf's Knäckebröd            |
| 15 Gumbär Gummiträchen            |
| 16 Schoggi Schokolade             |
| 17 Rössle Sauerkraut              |
| 18 Thüringer Rostbratwurst        |

**Answer:** all products that cost more than \$20 is 37

**Question 2** — JOIN Two Tables (Display the Order ID, Customer Company Name, and Order Date)

The screenshot shows a SQL query in a text editor window. The query is:

```
-- Question 2: Display the Order ID, Customer Company Name, and Order Date (JOIN Two Tables)

SELECT
    o.order_id,
    c.company_name,
    o.order_date
FROM orders o
INNER JOIN customers c ON o.customer_id = c.customer_id;
```

Below the query editor, the 'Data Output' tab is active, displaying the results of the query. The results are shown in a table with the following columns: order\_id (smallint), company\_name (character varying (40)), and order\_date (date). The table contains 18 rows of data, starting with '10248 Vins et alcools Chevalier' and ending with '10265 Blondesdöds päre et fils'. The status bar at the bottom indicates 'Total rows: 830', 'Query complete 00:00:00.132', and 'Ln 23, Col 14'.

| order_id | company_name               | order_date |
|----------|----------------------------|------------|
| 1 10248  | Vins et alcools Chevalier  | 1996-07-04 |
| 2 10249  | Toms Spezialitäten         | 1996-07-05 |
| 3 10250  | Hanari Carnes              | 1996-07-08 |
| 4 10251  | Victualies en stock        | 1996-07-08 |
| 5 10252  | Suprêmes délices           | 1996-07-09 |
| 6 10253  | Hanari Carnes              | 1996-07-10 |
| 7 10254  | Chop-suey Chinese          | 1996-07-11 |
| 8 10255  | Richter Supermarkt         | 1996-07-12 |
| 9 10256  | Wellington Importadora     | 1996-07-15 |
| 10 10257 | HILARION-Abastos           | 1996-07-16 |
| 11 10258 | Ernst Handel               | 1996-07-17 |
| 12 10259 | Centro comercial Moctezuma | 1996-07-18 |
| 13 10260 | Ottiles Käseladen          | 1996-07-19 |
| 14 10261 | Que Delicia                | 1996-07-19 |
| 15 10262 | Rattlesnake Canyon Grocery | 1996-07-22 |
| 16 10263 | Ernst Handel               | 1996-07-23 |
| 17 10264 | Folk och fä HB             | 1996-07-24 |
| 18 10265 | Blondesdöds päre et fils   | 1996-07-25 |

**Answer:** When we join two tables, we have 830 rows

- **Screenshot of your Power BI visualization**

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Course: MIS 443

## Exercise: From Database to Dashboard Northwind Lab

